

Comparisons of Job Characteristics

Focus Occupation: **Dental Hygienists (29-2021)**

Associated Occupation: **Prosthodontists (29-1024)**

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 84

Focus Occupation: Dental Hygienists (29-2021)
Associated Occupation: Prosthodontists (29-1024)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Medicine and Dentistry	3.7	22.3	17.7	<<	Extensive education and/or training may be required
Psychology	6.4	13.5	13.2	0	Current knowledge level may be sufficient
Biology	3.7	12.4	8.2	<<	Extensive education and/or training may be required
Chemistry	4.8	11.5	8.0	<<	Extensive education and/or training may be required
Sales and Marketing	5.2	10.7	8.8	<	Expanded education and/or training may be required
Personnel and Human Resources	5.6	9.8	3.7	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 87

Focus Occupation: Dental Hygienists (29-2021)
Associated Occupation: Prosthodontists (29-1024)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Social Perceptiveness	9.1	12.2	9.1	<<	Extensive development of skills in this area may be required
Service Orientation	7.9	10.5	9.0	<	A higher skill level may be required
Management of Personnel Resources	6.9	10.0	6.0	<<	Extensive development of skills in this area may be required
Operations Analysis	5.0	9.3	2.7	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 93			
Focus Occupation: Dental Hygienists (29-2021) Associated Occupation: Prosthodontists (29-1024)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Near Vision	11.1	14.1	11.0	<<	Extensive improvement in abilities may be required
Oral Expression	12.4	13.3	12.5	0	Current ability level may be sufficient
Oral Comprehension	12.5	13.2	12.5	0	Current ability level may be sufficient
Finger Dexterity	7.6	12.9	11.8	0	Current ability level may be sufficient
Speech Recognition	9.9	12.3	10.0	<	Some improvement in abilities may be required
Manual Dexterity	6.5	11.6	10.5	<	Some improvement in abilities may be required
Speech Clarity	10.2	11.2	9.2	<	Some improvement in abilities may be required
Problem Sensitivity	11.1	11.1	12.2	0	Current ability level may be sufficient
Arm-Hand Steadiness	6.8	10.6	11.1	0	Current ability level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 94
Focus Occupation: Dental Hygienists (29-2021) Associated Occupation: Prosthodontists (29-1024)		
Work Activities	Exclusivity of Activity	
Administer anesthetics	77	
Administer injections	60	
Administer medications or treatments	46	
Analyze dental data	89	
Analyze medical data	57	
Collect clinical data	56	
Collect dental laboratory diagnostic data	89	
Communicate technical information	4	
Follow clinical radiation safety procedures	77	
Follow dental or medical x-ray procedures	81	
Follow infectious materials procedures	52	
Identify body response variations	57	
Make presentations on health or medical issues	50	

Operate dental equipment	89
Understand technical operating, service or repair manuals	6
Use dental treatment procedures	87
Use interpersonal communication techniques	10
Use knowledge of dental terminology	87
Use knowledge of medical terminology	40
Use sanitation practices in health care settings	48

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 75

Focus Occupation: Dental Hygienists (29-2021)
Associated Occupation: Prosthodontists (29-1024)

Tools and Technologies	Exclusivity
Cameras	2
Computer data input devices	2
Computers	1
Content authoring and editing software	1
Dental and subspecialty instruments and devices	37
Dental fillers and finishing and polishing supplies	47
Dental hygiene and preventive care equipment and supplies	70
Dental imaging equipment and supplies	47
Dental impression and forming equipment and supplies	56
Dental laboratory and sterilization equipment and supplies	62
Industry specific software	1

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.